

Title (en)  
METHOD TO IMPROVE LACTOCOCCUS PRESERVATION

Title (de)  
VERFAHREN ZUR VERBESSERUNG DER AUFBEWAHRUNG VON LACTOCOCCUS

Title (fr)  
PROCÉDÉ DE L'AMÉLIORATION DE LA PRÉSERVATION DE LACTOCOCCUS

Publication  
**EP 1789529 B1 20131002 (EN)**

Application  
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- EP 05792126 A 20050818

Abstract (en)  
[origin: WO2006018446A2] The present invention relates to Lactococcus lactis strains with improved preservation characteristics, and improved acid and bile salt tolerance. More specifically, the invention relates to a L. lactis strain comprising a heterologous trehalose-6-phosphate synthase gene and/or a trehalose-6-phosphate phosphatase gene, resulting in an accumulation of trehalose in the cytoplasm and/or in the cytoplasmic membrane. It further relates to a L. lactis strain, whereby said trehalose accumulation results in an internal trehalose concentration of at least 10 mg per gram cells (ww).

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CPC (source: EP US)  
**C12N 1/04** (2013.01 - EP US); **C12N 15/746** (2013.01 - US)

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HUGENHOLTZ J. AND SMID, E.: "Nutraceutical production with food-grade microorganisms", CURRENT OPINION IN BIOTECHNOLOGY, vol. 13, 2002, pages 497 - 507, XP002593878

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US10064797B2; US9889165B2; US10293007B2; US11207357B2; WO2014025938A1; US9234204B2; US9453232B2; US9868957B2

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